New Approaches for Old Asphalt

Eisenmann Environmental Technology to Deliver Germany’s First Plant for Raw Material Recovery from Tar Contaminated Asphalt

Holzgerlingen, October 15, 2026 - The Bettels Group has commissioned Eisenmann Environmental Technology (EET) to supply, install and commission a plant for the treatment of tar contaminated asphalt. With the contract signed in early September by BERIA, a subsidiary of Bettels, the RiA.H project has reached an important milestone. RiA.H stands for “„Rohstoffrückgewinnung durch innovative Asphaltaufbereitung im Harz“ (Raw Material Recovery Through Innovative Asphalt Processing in the Harz Region). The plant currently being built in Bad Harzburg-Harlingerode will recover mineral raw materials from contaminated road demolition material and make them reusable, providing a resource conserving alternative to landfill disposal. The facility is designed for an annual treatment capacity of up to 135,000 tonnes. Commissioning is scheduled for 2028, with handover planned for early 2029. The project is supported by both the German federal government and the State of Lower Saxony.

RiA.H Returns Raw Materials to the Circular Economy

The Bettels Group and Eisenmann Environmental Technology have been working together for several years on the development of the underlying process technology. The rock preserving thermal treatment is based on a patented process developed by Eisenmann Environmental Technology. The core component of the plant is a rotary kiln. In this treatment drum, the polycyclic aromatic hydrocarbons (PAHs) contained in the asphalt binder are removed. The PAHs are treated at temperatures of approximately 570°C to 610°C, while the resulting exhaust gases are subsequently oxidised at 850°C. This process enables the gentle recovery of high quality mineral aggregates, which can then be reused in asphalt mixtures or concrete.

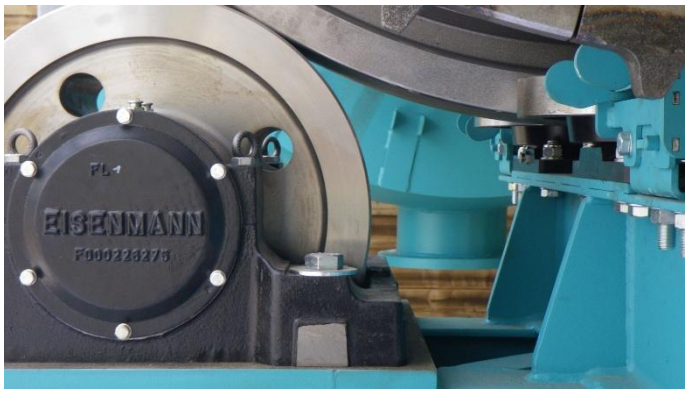
The concept offers further advantages: the binders contained in the asphalt serve as an energy source. As a result, the treatment process operates largely autothermally, requiring little additional fuel. The plant also utilises the process heat generated during treatment. Energy recovered from waste heat is used, among other things, for the treatment of oil contaminated sludge and for power generation.

Press Release / News

Germany’s First Plant for Raw Material Recovery from Tar Contaminated Asphalt



Caption:
The core component of the RiA.H plant is a rotary kiln supplied by Eisenmann Environmental Technology.



Caption:
The rotary kiln removes the polycyclic aromatic hydrocarbons (PAHs) contained in the asphalt binder.

Pictures: Eisenmann Environmental Technology

Press Contact
René Jochum
Telefon: +49 7031 44809 15
r.jochum@eisenmann-environmental.com

About Eisenmann Environmental Technology
For more than 50 years, Eisenmann Environmental Technology has stood for expertise in environmental technology and residual material processing. With a clear focus on environmentally responsible and energy efficient technologies, the company provides customised solutions for the chemical, pharmaceutical, automotive and metals industries, as well as many other sectors worldwide. Its portfolio includes turnkey systems for thermal exhaust air treatment, water treatment, residual material disposal with material recycling, and munitions disposal plants. Eisenmann Environmental Technology is part of the Deurotech Group, an alliance of specialists in the wood based panel and paper industries as well as environmental technology.
Mehr Informationen unter www.eisenmann-environmental.com

Eisenmann Environmental Technology GmbH
Max-Eyth-Straße 42
71088 Holzgerlingen
Deutschland

Phone: +49 7031 448 09-0
office@eisenmann-environmental.com